Performance Data Sheet

HGA5512BAA

General Information

Model	HGA5512BAA	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	6670			
	Watts (Power)				
	Amps	8.39			
	Lb/h	91.4			
-23.3	Btu/h	6850	7290		
	Watts (Power)				
	Amps	8.44	7.94		
	Lb/h	93.9	99.9		
-20	Btu/h	7240	7230		
	Watts (Power)				
	Amps	8.54	8.22		
	Lb/h	99.2	99.1		
-15	Btu/h	7940	7400	7710	
	Watts (Power)	232	328	437	
	Amps	8.66	8.62	9.87	
	Lb/h	109	101	106	
-10	Btu/h	8790	7910	7660	8130
	Watts (Power)	583	695	817	973
	Amps	8.73	8.98	10.5	12.1
	Lb/h	120	108	105	111
-6.7	Btu/h	9460	8460	7930	7970
	Watts (Power)	720	844	976	1140
	Amps	8.73	9.17	10.8	12.6
	Lb/h	130	116	109	109
-5	Btu/h	9840	8800	8170	8020
	Watts (Power)	767	896	1030	1210
	Amps	8.71	9.25	11.0	12.8
	Lb/h	135	121	112	110
0	Btu/h	11100	10100	9270	8700
	Watts (Power)	826	976	1130	1320
	Amps	8.56	9.41	11.4	13.4
	Lb/h	152	138	127	119

5	Btu/h	12600	11900	11000	10200
	Watts (Power)	806	980	1160	1370
	Amps	8.26	9.42	11.6	13.8
	Lb/h	173	162	151	140
7.2	Btu/h	13400	12800	12000	11100
	Watts (Power)	783	969	1160	1380
	Amps	8.07	9.37	11.7	14.0
	Lb/h	184	175	164	152
10	Btu/h	14500	14100	13400	12600
	Watts (Power)	751	952	1160	1390
	Amps	7.77	9.25	11.7	14.1
	Lb/h	198	193	184	172
15	Btu/h	16600	16800	16500	15800
	Watts (Power)	705	936	1170	1430
	Amps	7.06	8.86	11.6	14.2
	Lb/h	228	231	226	216

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.417383E+04	1.910251E+02	2.323747E+01	1.941694E+02
C2	-6.906586E+01	-1.253599E+01	-2.963827E-01	-9.468531E-01
C3	-8.323773E+01	3.036413E+01	-1.130832E+00	-1.140593E+00
C4	-5.988285E+00	-1.765134E+00	-3.592142E-03	-8.199877E-02
C5	1.847655E+01	5.360877E-01	1.016376E-02	2.531250E-01
C6	-1.115796E+00	-4.223156E-01	2.666992E-02	-1.527952E-02
C7	4.496708E-02	5.941908E-02	-4.469276E-05	6.141488E-04
C8	3.726334E-01	5.920893E-03	1.536855E-05	5.104814E-03
C9	-2.285403E-01	-1.254201E-03	-5.763215E-05	-3.130923E-03
C10	1.639787E-02	3.849863E-03	-1.759963E-04	2.246029E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature